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Translation

TENT COOPERATION TREATY



INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY (Chapter II of the Patent Cooperation Treaty)

(PCT Article 36 and Rule 70)

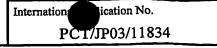
Applicant's or agent's file reference ONF-4710PCT	FOR FURTHER ACT	TION	See Form PCT/IPEA/416	
International application No.	International filing date	(day/month/year)	Priority date (day/month/year)	
PCT/JP2003/011834	17 September 2003	3 (17.09.2003)	18 September 2002 (18.09.2002)	
International Patent Classification (IPC) or national classification and IPC C07D 471/10, A61K 31/527, A61P 1/04, 1/16, 3/10, 9/00, 11/00, 11/02, 11/06, 13/12, 17/00, 17/06, 19/02, 29/00, 31/04, 31/18, 35/04, 37/02, 37/06, 37/08, 43/00, 25/00, 27/00				
Applicant ONO PHARMACEUTICAL CO., LTD.				
 This report is the international preliminary examination report, established by this International Preliminary Examining Authority under Article 35 and transmitted to the applicant according to Article 36. 				
2. This REPORT consists of a total of		ncluding this cover s	heet.	
3. This report is also accompanied by A				
a. (sent to the applicant and	to the International Bure	au) a total of	sheets, as follows:	
sheets of the description, claims and/or drawings which have been amended and are the basis of this report and/or sheets containing rectifications authorized by this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions).				
sheets which supersede earlier sheets, but which this Authority considers contain an amendment that goes beyond the disclosure in the international application as filed, as indicated in item 4 of Box No. I and the Supplemental Box.				
b. (sent to the International Bureau only) a total of (indicate type and number of electronic carrier(s)) , containing a sequence listing and/or tables related thereto, in computer readable form only, as indicated in the Supplemental Box Relating to Sequence Listing (see Section 802 of the Administrative Instructions).				
This report contains indications relating to the following items:				
Box No. I Basis of the re	Box No. I Basis of the report			
Box No. II Priority	Box No. II Priority			
Box No. III Non-establish	Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
Box No. IV Lack of unity	Box No. IV Lack of unity of invention			
Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement				
<u> </u>	57			
Box No. VII Certain defects in the international application				
Box No. VIII Certain observations on the international application				
Date of submission of the demand		Date of completion	of this report	
12 March 2004 (12.03.2004)		22 July 2004 (22.07.2004)		
Name and mailing address of the IPEA/JP		Authorized officer		
Faccimile No.		Telephone No		



International Acation No.
PCT/JP2003/011834

Box No. I	L Bas	s of the report	
otherw	vise indica	ne language, this report is based on the international application in the language in vated under this item.	
	This repo	ort is based on translations from the original language into the following language language of a translation furnished for the purpose of:	,
	inte	ernational search (under Rules 12.3 and 23.1(b))	
	pul	olication of the international application (under Rule 12.4)	
	int	ernational preliminary examination (under Rules 55.2 and/or 55.3)	
furnis and a	hed to the re not an	the elements of the international application, this report is based on (replaced receiving Office in response to an invitation under Article 14 are referred to in the nexed to this report):	nent sheets which have been his report as "originally filed"
		national application as originally filed/furnished	
	the descr	iption:	, as originally filed/furnished
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Í	pages*	received by this Authority on	
	pages*	received by this Authority on	
		nce listing and/or any related table(s) - see Supplemental Box Relating to Sequence	Listing
لنا ا	a seque	nce listing and/or any related table(s) = see supplemental Box relating to soquenes	
ļ			
3.	The am	endments have resulted in the cancellation of:	
_		ne description, pages	
		ne claims, Nos.	
1			
1		ne drawings, sheets/figs	
	-	ne sequence listing (specify):	
l	a	ny table(s) related to sequence listing (specify):	
	This re	port has been established as if (some of) the amendments annexed to this report a	nd listed below had not been
4	made,	since they have been considered to go beyond the disclosure as filed, as indica	ted in the Supplemental Box
1	(Rule	(0.2(c)).	
1		he description, pages	
1		he claims, Nos.	
1		he drawings, sheets/figs	
		the sequence listing (specify):	
		any table(s) related to sequence listing (specify):	
	1 1	any table(s) related to sequence histing (speedy).	
		lies, some or all of those sheets may be marked "superseded."	

INTERNATIONAL PRELIMINARY REPORT ON PATENTABILITY



Box No. III	Non-establishment of opinion with regard to novelty, inventive step and industrial applicability			
The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvious), or to be industrially applicable have not been examined in respect of:				
	the entire international application.			
\boxtimes	claim No			
because				
\boxtimes	the said international application, or the said claim No			
The i	nvention of claim 12 relates to a method for treatment of the human body.			
	the description, claims or drawings (indicate particular elements below) or said claims Nosare so unclear that no meaningful opinion could be formed (specify):			
	the claims, or said claims Nos are so inadequately supported by the description that no meaningful opinion could be formed.			
\boxtimes	no international search report has been established for said claim No			
	the nucleotide and/or amino acid sequence listing does not comply with the standard provided for in Annex C of the Administrative Instructions in that:			
	the written form has not been furnished			
	does not comply with the standard			
	the computer readable form has not been furnished			
	does not comply with the standard			
	the tables related to the nucleotide and/or amino acid sequence listing, if in computer readable form only, do not comply with the technical requirements provided for in Annex C-bis of the Administrative Instructions.			
	see Supplemental Box for further details.			

Box No. V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

Novelty (N)	Claims		YE
	Claims	1-11, 13	NO
Inventive step (IS)	Claims		YE
	Claims	1-11, 13	NC
Industrial applicability (IA)	Claims	1-11, 13	YE
	Claims		NC

2. Citations and explanations (Rule 70.7)

Document 1 [WO, 01/40227, A1 (Ono Pharmaceutical Co., Ltd.), 07 June, 2001] describes a compound represented by General Formula (I), which is a duplicate compound of the compound represented by General Formula (I) of this application; document 1 shows that this compound inhibits chemokine / chemokine receptor action and is effective for inflammatory diseases, etc.

Document 2: MEADA, K. et al., "Novel low molecular weight spirodiketoperazine derivatives potently inhibit R5 HIV-1 infection through their antagonistic effects on CCR5", Journal of Biological Chemistry, 276 (37), pages 35194 to 35200 (2001)

The compounds below are described as CCR5 antagonists.

Claims 1-11, 13

The inventions described in claims 1-11 and 13 do not appear to be novel or to involve an inventive step based on documents 1 and 2 cited in the ISR.

A duplicate compound of the compound described in claim 1 of this application is shown in documents 1 and 2 and the compound being effective for inflammatory diseases (in document 1) and the compound being a CCR antagonist (in document 2) are also shown.

Box No. VI Certain documents cited

Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)	Priority date (valid claim) (day/month/year)
WO 03/35074 A1	01.05.2003	18.03.2002	23.10.2001
(Ono Pharmaceutical Co., Ltd.) EX			
Jr 2002-348288 A	04.12.2002	28.05.2001	
(Ono Pharmaceutical Co., Ltd.) EX			
WO 02/074770 A1	26.09.2002	18.03.2002	19.03.2001
(Ono Pharmaceutical Co., Ltd.) EX			
WO 02/074769 A1	26.09.2002	. 18.03.2002	19.03.2001
(Ono Pharmaceutical Co., Ltd.) EX			

2. Non-written disclosures (Rule 70.9)

Kind of non-written disclosure

Date of non-written disclosure (day/month/year)

Date of written disclosure referring to non-written disclosure (day/month/year)